

Title (en)  
ENERGY CONTROL DEVICE AND TREATMENT SYSTEM

Title (de)  
ENERGIESTEuerungSVORRICHTUNG UND BEHANDLUNGSSYSTEM

Title (fr)  
DISPOSITIF DE COMMANDE D'ÉNERGIE ET SYSTÈME DE TRAITEMENT

Publication  
**EP 3403605 A1 20181121 (EN)**

Application  
**EP 16884948 A 20160115**

Priority  
JP 2016051120 W 20160115

Abstract (en)  
A controller continues, from an output start, a single outputting phase in which only first electric energy is supplied to an electrode, and transitions the single outputting phase to a simultaneous outputting phase in which the first electric energy and second electric energy are simultaneously output and treated target is denatured due to both of a high-frequency current and treatment energy generated in a functioning element. The controller sets a parameter relating to the treatment energy in the simultaneous outputting phase and a duration of the simultaneous outputting phase, based on an impedance at a certain time point in the single outputting phase and/or a variation with time of the impedance in the single outputting phase.

IPC 8 full level  
**A61B 18/12** (2006.01); **A61B 18/00** (2006.01); **A61B 18/04** (2006.01)

CPC (source: EP US)  
**A61B 17/320092** (2013.01 - EP US); **A61B 18/085** (2013.01 - EP US); **A61B 18/10** (2013.01 - US); **A61B 18/1206** (2013.01 - EP US); **A61B 18/1445** (2013.01 - EP US); **A61B 2017/320095** (2017.07 - US); **A61B 2018/0063** (2013.01 - EP US); **A61B 2018/00642** (2013.01 - US); **A61B 2018/00684** (2013.01 - EP US); **A61B 2018/00702** (2013.01 - US); **A61B 2018/00875** (2013.01 - EP US); **A61B 2018/00886** (2013.01 - EP US); **A61B 2018/00994** (2013.01 - US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3403605 A1 20181121**; **EP 3403605 A4 20191002**; CN 108463181 A 20180828; CN 108463181 B 20201124; JP 6234652 B1 20171122; JP WO2017122345 A1 20180118; US 11129671 B2 20210928; US 2018318000 A1 20181108; WO 2017122345 A1 20170720

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**EP 16884948 A 20160115**; CN 201680078869 A 20160115; JP 2016051120 W 20160115; JP 2017544982 A 20160115; US 201816031166 A 20180710